7. The state of th

KOSTYAKOVA, A.N., nauchn. sotr.; MELAMUT, D.L., kand. tekhn. nauchn. sotr.; MENTYUKOV, V.P., inzh., nauchn. sotr.

[Hydraulic fill of dams composed of gravely soil] Namyv plotin iz gravelistykh gruntov. Moskva, Sel'khozizdat, 1963. 12 p. (MIRA 17:9)

1. Russia (1923- U.S.S.R.) Ministerstvo sel'skogo kho-zyaystva. Upravleniye nauki, propagandy i vnedreniya peredovogo opyta. 2. Laboratoriya gidromekhanizatsii zemlyanykh rabot Vsesoyuznogo nauchmo-issledovatel'skogo instituta gidrotekhniki i melioratsii.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R0008253000 KOSTYAKOVA, A.I., dotsent; DOBRYNINA, V.I., dotsent, direktor, Qualitative determination of quinine in pharmacopoeial preparations, by the fluorescent method. Apt.delo 2 no.3:17-19 My-Je '53. 1. Moskovskiy farmatsevticheskiy institut Ministerstva zdravookhraneniya (Quinine) SSSR.

## APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

8/182/63/000/001/008/012 A004/A12b

AUTHORS: Kostyakov, V. N., Yerinov, A. Ye.

TITLE: Oxidation and decarbonization of steel in reverberatory furnaces

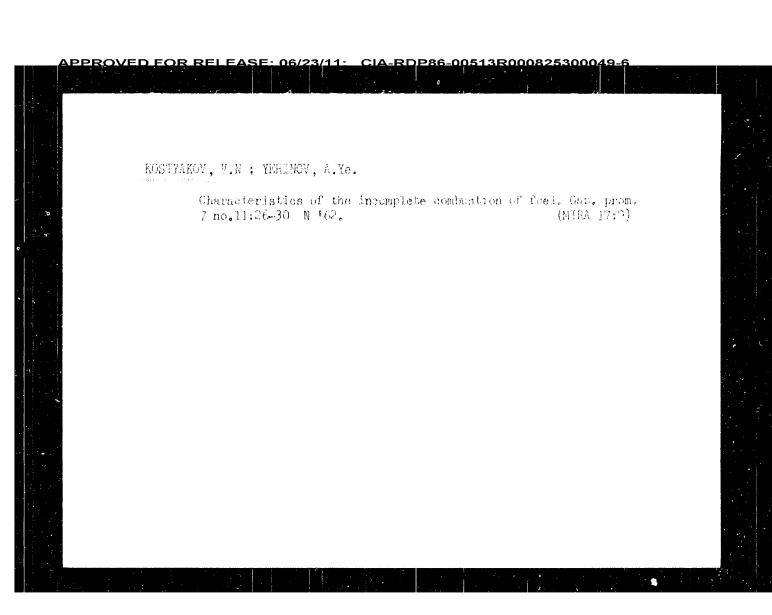
TITLE: Oxidation and decardonization of actual gas

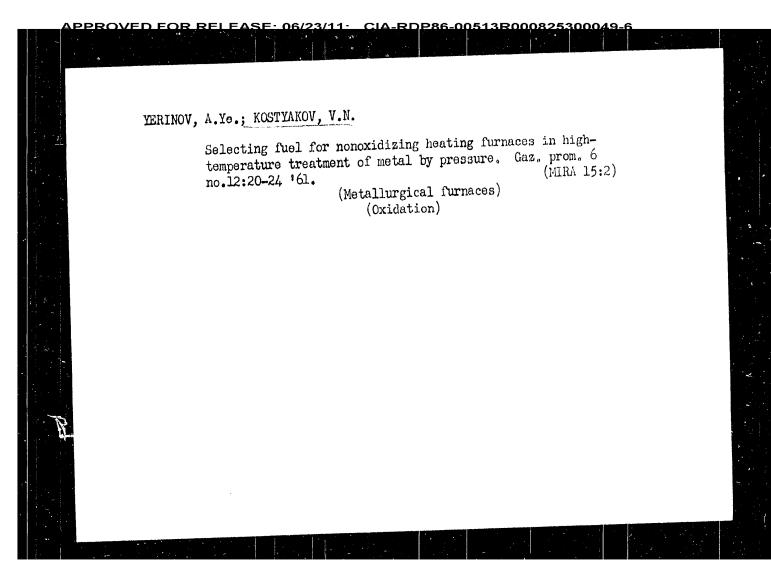
PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 1, 1963, 29 - 32

TEXT: The authors give an account of some test data obtained in studies of oxidation and decarbonization processes of the alloy steel grades P 18 (R18), 000 MIX15 (ShKn15) and XF (KnG) in an atmosphere of products of incomplete combustion of natural gas. Engineer V. N. Danilevich participated in the work. Cylindrical specimens 19 - 21 mm in diameter and 50 - 51 mm in length were tested. A schematic drawing and a description of the test installation is given. The tests are also described in detail. A complete oxidation stop could not be observed with any of the steels tested, even at a coefficient of air consumption  $a_{ac} = 0.4$ , although in this case the magnitude of loss through burning was infinitely small and amounted to some thousandths of gr/cm<sup>2</sup>. It follows from the tests that in the combustion of fuel with  $a_{ac} = 0.4$ , the loss through burning of the tested steels

Card 1/2

CIA-RDP86-00513R000825300049-6 KOSTYAKOV, V.N., kund. bekhn. nauk; YFRCINOV, A.Te., kund. bekhn. nauk; CORODETEKIY, V.V., inzh. Feonomic effliciency of the use of flame furnaces with nemoxidizing heating. Mashinostroenie no.5:80-82 S.O 165. (MINA 18:9) KOSTYAKOV, V.N.; YERINOV, A.Ye. Heating metal for forging in a nonoxidizing, semicontinuous pusher-type furnace. Kuz.-shtam. proizv. 5 no.10:32-36 0 163. (MIRA 16:11)





KOSTYAKOV, N.I., inzh.; MOROZOV, V.A., inzh. New electrophysical devices for the structural testing of buildings. Gor. khoz. Mosk. 36 no.10:44-45 0 162. (MIRA 15:12) l. Moskovskiy gorodskoy trest geologo-geodezicheskikh i kartograficheskikh rabot arkhitekturno-planirovochnogo upravleniya Mosgorispolkoma. (Ultrasonic testing) (Buildings-Repair and recenstruction)

-RDP86-00513R0008253000 SHERDYUKOV, Ya.I., inzhener; KOSTYAKOV, N.I., inzhener. Improving methods of testing structures and materials.

Mosk. 30 no.4:29-31 Ap '56.

(Building materials--Testing) Gor.khoz. (MLRA 9:8)

CIA-RDP86-00513R000825300049 PSHENICHNIKOV, Sergey Nikolaevich, nauchnyy sotrudnik; KOSTYAKOV, B.A., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor [Reinforced concrete bridge spans placed on suspended structures made of fitted blocks | Zhelezobetonnye proletnye stroeniia, sobiraemye navesnym sposobom iz zaranee izgotovlennykh blokov. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1956. 49 p. (MIRA 9:9) (Bridges, Concrete)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

KOSTYAKOV, A. A.

TA 042759

USSR/Mathematics - Wave Resistance Jan/Feb 53

"Wave Resistance of a Ship Convoy," A. A. Kost-yakov, Odessa

"Priklad Matemat i Mekhan" Vol 17, No 1, pp 33-38

Solves eqs of Mitchell assuming all ships of equal size and at equal distances and using usual theory of wave formation and wave resistance. Received 13 Jun 52.

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APPRO	OVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6	
	KCSTYAGIE, F.	•
7.7	Description - Tunis	
	In the capital of Tunisia. Vokrug sveta, No. 7, 1952.	
	Monthly List of Russian Accessions, Library of Congress, October 1953, Unclassified.	
y.	Monthly List of Russian Accessions, Library of Congress,	0

AP	PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6	1,
	KOSTYAGIR, F.	Į.
	Algeria-description and travel	
	In Northern Alergia Vokrug sveta No. 3, 1957.	
٠	9. Monthly List of Russian Accessions, Library of Congress, May 1958. Unclassified.	ė

HANKISS, Janos; KOSTYA, Katalin

Hepatic lymphedema and experimental cirrhosis induced by collodion coating method. Kiserletes Orvostudomany 11 no.1:69-75 Feb 59.

1. Debreceni Orvosegyetem I. sz. Belklinikaja.

(LIVER DISEASES, exper.

lymphedema & consequent liver cirrhosis induction in cats & rats by blockade of subcapsular lymphatic vessels through collodion coating of total liver surface (Hun))

(LIVER CIRRHOSIS, exper.

induction of hepatic lymphedema & consequent cirrhosis in cats & rats by blockade of subcapsular lymphatic vessels through collodion coating of total liver surface (Hun))

(LYMPHEDEMA, exper.

CIA-RDP86-00513R000825300049

APPROVED FOR RELEASE: 06/23/11:

GDR/General Problems of Pathology - Tunors. Metabolism.

U.

Abs Jour

: Ref Zaur - Diol., No 19, 1958, 39572

Author

: Nyiri, I., Kostya, K.

Inst

Title

: On the Hormonal Relationship in Female Genital Carcinoma.

Orig Pub

: Zbl. Gyndkol., 1957, No 17, 663-673.

Abstract

: Thirty patients under X-ray therapy were investigated. The first group of patients (15) with favorable results of radiation showed an increased exerction of 17-ketosterbids. Ketosterbid excretion decreased in patients with spread of the neoplastic process (second group, ten patients) and in patients with unsuccessful therapy

(third group, five patients).

Bibliography of 39 titles. -- S.S. Rogovenko.

Card 1/1

NYIRI, Istvan, dr.; KOSTYA, Katalin, dr. 17-ketosteroid excretion in pelvic inflammatory diseases. Magy. noorv. lap 18 no.5:276-281 Sept 55. 1. A Debreceni Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati klinikajanak kozlemenye. Igazgato: Arvay, Sandor dr. egy. tanar. (UTERUS, diseases inflamm. of pelvic region, devrease in 17-ketosteroid excretion, relation to adrenal cortex funct.) (PELVIS, diseases inflamm.. decrease in 17-ketosteroid excretion, relation to adrenal cortex funct.) (STEROIDS, determination 17-keto, in inflamm. of pelvic region, decrease.) (ADRENAL CORTEX, in various diseases inflamm. of pelvic region, decreased 17-ketosteroid excretion.)

NYIRI, Istvan, dr.; KOSTYA, Katalin, Dr. and the second Carcinome of female genitalia in relation to androgen levels (Hun). Magy.noorv.lap. 17 no.6:345-348 Nov 54. 1. A Debreceni Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati klinikajenak (Igazgato: Arvay Sandor dr. egyetemi tanar) es I. sz. Belklinikajanak (Igazgato: Fornet Bela dr. egyetemi tanar) kozlemenye. (GENITALIA, FRMALE neoplasms relation to androgen levels (Hun) (ANDROGENS relation to carcinoma of female genitals)

Kostya, Katalin VARGA, Emil; ASZODI, Lili; KOSTYA, Katalin Effect of adenosinetriphosphate on glycogen phosphorylase of denervated muscle. Kiserletes orvostud. 6 no.4:303-305 July 54. 1. Debreceni Orvostudomanyi Egyetem Elettani es Korelettani Intezete. (ADENYLPYROPHOSPHATE, eff. on glycogen phosphorylase of demervated muscle) (MUSCLE, INNERV. denervation, eff. of ATP on glycogen phosphorylase) (PHOSPHORYLASES glycogen phosphorylase of denervated muscle, eff. of ATP)

KOSTYA, K

Aszodi, L.; Kostya, K.; Varga, E.

"Effect of adenosintriphosphate on the Gly ogenphosphorolysis of Denervated Muscles and on the Degeneration of the Peripheric Korves." p. 25 (Acta Thysiologica. Supplement to v. 4, 1953, Budapest.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June. 1954, Uncl.

KOSTVOS, V.N. Soviet scientific exhibits abroad. Vest.AN SSSR 30 no.7: 45-48 J1 60. (MIRA 13:7) (Exhibitions)

CIA-RDP86-00513R000825300049-6 SHOPOV, As.; DIMITROV, D.A.; IONCHEV, V.; MARINOV, At.; KOSTURKOVA, M. On the treatment of pulmonary tuberculosis with cycloserine. Suvrem. med. Sofia 11 no.2-3:47-57 60. 1. Iz Klinikata po ftiznatrija pri VKI "I.P.Pavlov" - Plovdiv, Direktor: prof. As. Shopov; i Klinikata po psikhiatriia pri Sushtila Institut, Direktor: prof. K. Cholakov. (CYCLOSERINE ther.) (TUBERCULOS ES PULMONARY ther.)

MANOLOV, D.G.; KUSTURKOV, C.B. Effect of dysentery bacteriophage on the course of experimental Shigella cystitis in guinea pigs. Zhur. mik: biol., epid. i immun. 42 no.7:144-145 Jl 65. (MIRA 18:11) l. Sofiyskiy nauchno-issledovatel skiy institut epidemiologii i mikrobiologii.

KOSTURKOV, G. Characteristics of pulmonary ventilation in some forms of pulmonary tuberculosis. Folia med. (Plovdiv) 6 no.1:27-32 164 1. Vyashiy meditsinskiy institut imeni I.P.Pavlova, g. Plovdiv, Bolgariya (rukovoditel's doktor med. nauk, prof. L.Telcharov). Studies on the pathogenesis of Ventilatory disturbances in patients with Rung tuberculosis I. Influence of age. Folia med. (Floydiv) 6 no.2v83-87 \*64.

1. Higher Medical Institute "I.F.Favlov" in Floydiv, Rulgaria (Chief: Doctor of Med. Science Prof. 1. Folcharov).

2. Research fellow of a post-graduate studentship in the chair of Puthophysiology of Higher Medical Institute in Floydiv, Bulgaria.

DIMITROV, D.A., kand.med.nauki; KOSTURKOV, G.

On the problem of variability of Mycobacterium tuberculosis under the influence of antibercular preparations. Suvrem med., Esfia no.ll: 55-60 '60.

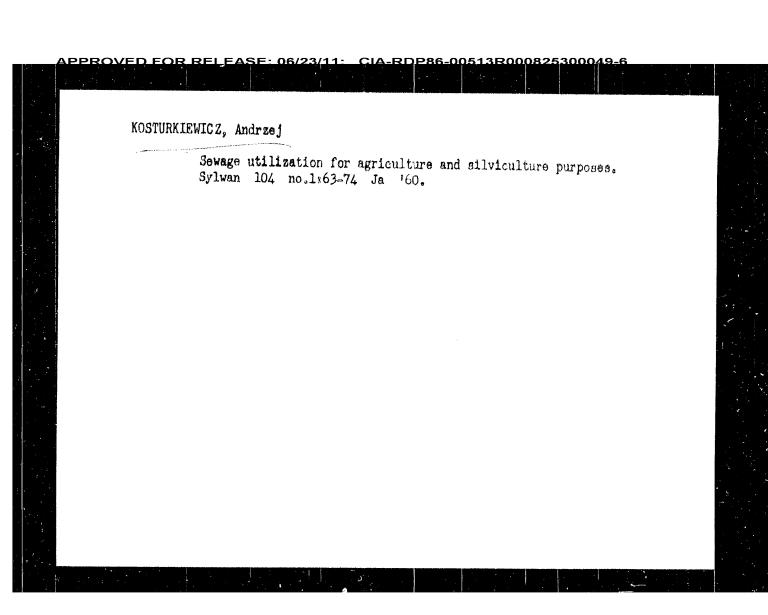
1. Iz Katedrata po ftziatriia pri VMI "I.P.Pavlov," Plovdiv (Rukov. na katedrata prof. As.Shopov) i Ckruzhnata tuberkulozna bolnitsa, Plovdiv (Glaven lekar St.Minchev)

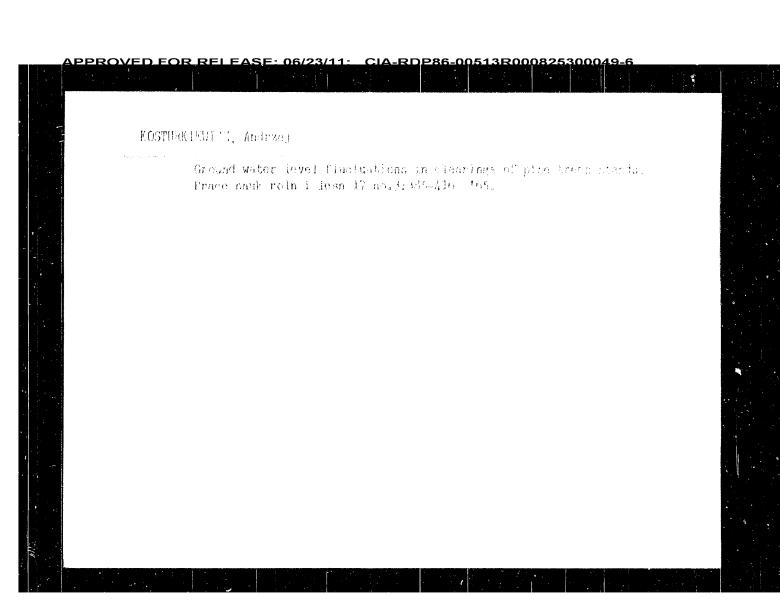
(MYCOBACTERIUM TUBERCULOSI Pharmacol)

(ANTITUBERCULAR ACENTS pharmacol)

 ${\tt KOSTURKOV, \ G., \ research \ fellow}$ Studies on the pathogenesis of ventilatory disturbances in patients with lung tuberculosis. Part II. 1. Higher Medical Institute "I.P. Pavlov" in Plovdiv, Bulgaria, Chair of Pathophysiology. (Chief: Doctor of Med. Sciences, Prof. L. Telcarov).

KOSTURKOY, G.; DIMITROV, D.A.; MINCHEY, S.; KIM UUN KU. Malf-second rate capacity as a test in the determination ventilation insufficiency in pulmonary tuberculosis. Suvrem. med., Sofia 9 no.7: 92-97 1958. 1. Iz Okruzhnata tub. bolnitsa v gr. Plovdiv (Gl. lekar: S. Minchev) i Klinikata no Ftiziatriia pri VMI, I. P. Pavlov Plovdiv Zav. katedrata: prof. A. Shopov). (TUBERCULOS IS , PULMONARY, phys iol. resp. ventilation half-second rate test (Bul))





## APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

KOSTURKEVICH, C.S., STRUCHNEY, THUE. Open, promps and unit collection angule comprimes, expect No. 3s Karny diffraction study of some alkaline calts of distinctional enters. Thus, south taken. 5 to 2:320-321 Manage (64. (MINA 1786) 1. Universite: imeni Pdama iEtakevicha, comant, reliaha : Inscibil Plomentoorguiche Azen tege linenzy AN Pda.

KOSTURKEVICH, Z.S. Space groups and unit cells of organic compounds. Report H 5s Derivatives of N-oxides of pyridine and quinoline. Zhur.strukt. khim. 5 no. 2:323-324 Mr-Ap 164. 1. Instibut elementoorganicheskikh poyedinenty AN SOSE 1 Universitet imeni Adama Mitskevicha, Poznasi, Poliche.

VED FOR RELEASE: 0/5/23/11: CIA-RDP8/6-005/13/R0008/25/300049-6

ROSTURINA & N.

USSR/Human and Animal Physiology - Liver.

R-7

Abs Jour

: Referat Zhur - Biol., No 16, 1957, 70876

Author

: Kusturina, G.N.

Inst

K >5 Out Thus

Title

: Functional State of Liver in Rheumatic Children.

Orig Pub

: Autoref. diss. kand. med. in-t Kharkov, 1956,

Abstract : No abstract.

Card 1/1

- 35 -

PSAREV, V.I. [Psarlov, V.I.]; KOSTUR, N.L. [Kostur, M.L.]; BUBERTOER!, K.A.; KOSTUR, T.A. [Kostur, T.O.] The semiconducting compound Gd<sub>4</sub>Sb<sub>3</sub>. Ukr. fiz. zhur. 9 no.10: 1141-1143-0  $^{1}64$  (MIRA 18:1) 1. Chernovitskiy gosudarstvennyy universitet.

CIA-RDP86-00513R000825300049-6 KOSTUR, Peter; PUTEK, Stefan Use and evaluation of the CANARAD-R corrosion inhibitor. Ropa a uhlie 7 no.2:35-43 F '65. 1. Slovnaft National Enterprise, Research Institute of Petroleum and Hydrocarbon Gases, Bratislava.

KOSTUR, Peter Protection against corrosion by sulfurous petroleum. Ropa a uhlie 5 no.6:170-175 Je 163. 1. Slovnaft, Vyskumny ustav pre ropu a uhlovodikove plyny, Bratislava.

L 04302-67

ACC NR: AP6029813

ing. Formation of the intermediate metastable phases is characteristic for melts overheated to 50-150°C above their melting points. The following optimum conditions are recommended for selective crystallization of CdSb single crystals: 4 temperature of the molten zone equal to 460-480°C and temperature in the crystallization zone equal to 420-440°C. Orig. art. has: 5 figures,

SUB CODE: 20 /

SUBM DATE: 14Jul65/

ORIG REF: 005/

OTH REF: 004

Card 2/2

EWT(m)/T/EWP(t)/ETI L 04302-67 IJP(c) ACC NR: AP6029813 (A) SOURCE CODE: UR/0363/66/002/008/1383/1389 AUTHOR: Kostur, N. L.; Psarev, V. I.

ORG: Chernovtsy State University (Chernovitskiy gosudarstvennyy universitet)

TITLE: Conditions for crystallization of the intermediate phases in the Cd-Sb system 21

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 8, 1966, 1383-1389

TOPIC TAGS: crystallization, phase diagram, solution property, phase composition, phase analysis, cadmium, antimony

ABSTRACT: The Cd-Sb system was studied in the 41.93-52.0 wt % Sb range by a combination of metallographic-, thermographic-, and x-ray techniques in order to define the conditions of crystallization of the stable and metastable phases of the system. Samples were prepared by fusing mixtures of pure components in sealed ampoules for 5 hr at 630-640 °C and  $10^{-3}-10^{-4}$  mm Hg. For a given rate of cooling (100-300 deg/hr) the formation of the intermediate phases was found to depend upon the maximum temperature of the melt. The variation in the formation of these phases depends apparently upon the presence of undissociated CdSb molecules which act as seeds during the crystallization process. A compound with a composition close to that of CdSb was found to crystallize out at 420-450°C. The CdSb, Cd4Sb3, and Cd3Sb2 crystallize only from melts heated up to 630°C. The metastable phases can be stabilized by means of rapid cool-

UDC: 546.48+546.86 Card 1/2

EWI(1)/EWI(m)/I/EWP(t)/ETI L 47341-66 IJP(c) GG/JG/JD/WW ACC NR: AR6025 36 UR/0058/66/000/004/A075/A075 SOURCE CODE:

AUTHOR: Kostur, N. L.; Psarev, V. I.

27 27

Features of crystallization of the CdSb compound from melts TITLE:

SOURCE: Ref. zh. Fizika, Abs. 4A628

REF SOURCE: Sb. Simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. materialov, 1965. Tezisy dokl. Novosibirsk, 1965, 13-14

TOPIC TAGS: cadmium compound, antimonide, crystallization, phase composition, stoichiometry, single crystal growing, crystal impurity

ABSTRACT: An impestigation was made of the influence of supercooling of a melt, which depends on the rate of its cooling, the degree of prior superheating, and the content of extraneous impurities, on the formation of stable and metastable phases during the solidification of melts corresponding to the composition of the compund CdSb. It is shown that CdSr compound ingots which solidify in the temperature interval 450 - 420C have a single-plase structure with minimum deviation from stoichiometry. The solution was superheated by 10 - 30°. > On the basis of the obtained results, the most optimal regimes are proposed for growing CdSb single crystals of stoichiometric composition and of crystals doped with various impurities. [Translation of abstract]

SUB CODE: 20

מת Card 1/1

L 14614-66 ACC NR: AT6002264 compounds with alloys of systems corresponding to them is very effective. It is particularly valuable because data on the solubility of elements, which are necessary in direct alloying and are lacking for intermetallic compounds, are not needed in this method. Orig. art. has: 5 figures. SUB CODE: 20 / SUBM DATE: none / ORIG REF: 005 Card 2/2

T 31.631. 66 27 mt > 1m to m to m

L 14614-66 EWT(m)/T/EWP(t)/EWP(b) LJP(c) JD ACC NR: AT6002264 SOURCE CODE: UR/2564/65/006/000/0288/0295

AUTHOR: Kostur, N. L.; Psarev, V. I.

61

ODA.

ORG: none

B+1

TITLE: Alloying crystals of some intermetallic compounds by means of alloys [Paper presented at the Third Conference on Crystal Growing held in Moscow from 18 to 25 November, 1963]

SOURCE: AN SSSR, Institut kristallografii. Rost kristallov, v. 6, 1965, 288-295

TOPIC TAGS: cadmium compound, antimonide, indium compound, electric conductivity, Hall constant, thermoelectromotive force

ABSTRACT: CdSb and InSb compounds were alloyed with alloys of the corresponding systems. The alloying elements chosen for CdSb were Ag? Au, Pb, and Bi, and for InSb, Bi and Hg. Crystals of the alloyed compounds were then used for growing large single crystals by zone recrystallization. The degree of alloying was determined in these crystals measuring the temperature dependence of the electrical conductivity of Hall constant R, and thermo-emf  $\alpha$ . The results shows that the method of alloying intermetallic

Card 1/2

PSAREV, V.I. [Psar'ov, V.I.]; KOSTUR, N.L. [Kostur, M.L.]; DOBETOEN', K.A.; KOSTUR, T.A. [Kostur, T.O.] The semiconducting compound  $Cd_4Sb_3$ . Ukr. fiz. zhur. 9 no.10s 1141-1143 0 '64 (MIRA 18:1) 1. Chernovitskiy gosudarstvennyy universitet.

KOSTUR, N.L. [Kostur, M.L.]; PSAREV, V.I. [Psar'ov, V.I.] Solubility and the effect of certain elements on the physical properties of the compounds InSb and OdSb. Ukr. fiz. zhur. 9 no.8:900-907 Ag 164. (MIRA 17:11) 1. Chernovitskiy gosudarstvennyy universitet.

L 17083-63 ACCESSION NR: AP3001594 as the initial material for the growing of large CdSb monocrystals by the method of zonal recrystallization. Orig. art. has: 2 tables and 5 figures. ASSOCIATION: Chernovitskiy gosudarstvenny\*y universitet (Chernovtsy State University) SUBMITTED: 150ct62 DATE ACQ: 27Aug63 ENCL: 00 NO REF SOV: 007 SUB CODE: ML OTHER: 000 APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

L 17083-63

EWP(q)/EWT(m)/BDS

FTC JD

ACCESSION NR: AP3004594

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AUTHORS: Kostur, N. L.; Psarev, V. I.

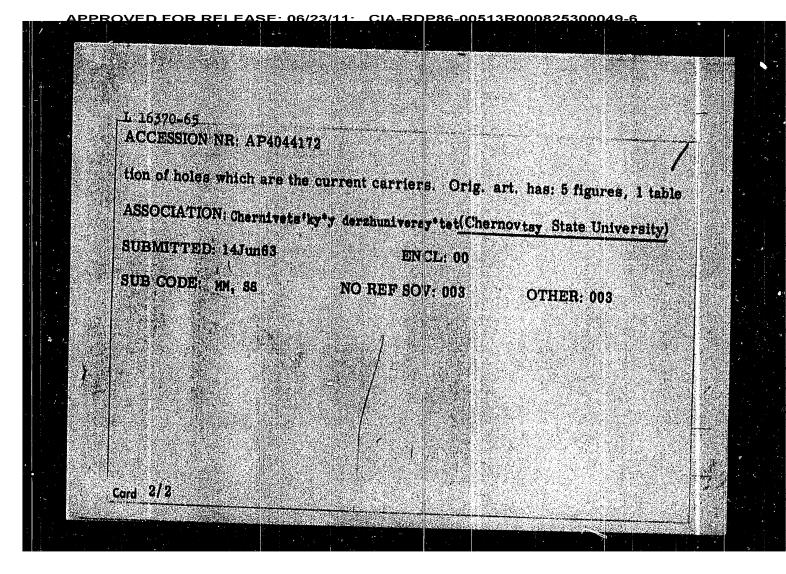
TITLE: A procedure for growing CdSb crystals from alloys of Cd-Sb system

SOURCE: Fizika metallov i metallovedeniye, v. 16, no. 1, 1963, 71-79

TOPIC TAGS: CdSb, crystal growing, Cd-Sb alloy

ABSTRACT: A new method for growing large CdSb monocrystals is offered. The procedure consisted of three steps. 1) Binary alloys Cd-Ag (Ag to 2%) and Cd-Hg (Hg to 20 by weight) were prepared. They had a uniphasal structure of solid solution on the Cd base. 2) Various amounts of antimony (from 10 to 40% weight) were added to these binary solutions. The solutions were melted and held at 620C for 5 hours while being stirred to insure a good distribution of the alloy components. After that, the melt was cooled to 500C, aged at that temperature for 20 hours, and cooled again in the oven. The resultant ternary alloys Cd-Ag-Sb and Cd-Hg-Sb had a two-phase structure consisting of the CdSb crystals and a cadmium eutectic. 3) The CdSb crystals were separated centrifugally from the melt. They contained from 20 to 40% weight of Sb. These crystals were used

Card 1/2



L 16370-65 EWT(h)/EWP(t)/EWP(b) IJP(c)/ESI(t)/AFWL/ASD(a)-5 JD ACCESSION NR: AP4044172 S/0185/64/009/008/0900/0907

AUTHOR: Kostur, M., L. (Kostur, N. L.) Psar'ov, V. I. (Psarev, V. I.)

TITLE: Solubility and effect on certain elements of the physical properties of inSb and CdSb

SOURCE: Ukrayins'ky\*y fizy\*chny\*y zhurnal, v. 9, no. 8, 1964, 900-907

TOPIC TAGS: elements solubility, InSb alloy, CdSb alloy, semiconductor, englattice parameter

ABSTRACT: The solubilities of Ga, Hg, and Bi in InSb, and of Bi in CdSb have been investigated. The concentration of the admixture was determined by x-ray diffraction analysis from the changes of the lattice parameters. The solubilities of Ga up to 10.1 at %, of Hg up to 6.2 at %, and of Bi up to 0.26 at % in the InSb crystals were found to depend on their dispersion. An expression was found for the change of the InSb lattice as a function of Ga content. Alloying of InSb with Ga and Hg produces a drop of thermal emf and an increase of the concentra-

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

L 18257-63

ACCESSION NR: AP3002125

2

electrical conductivity and decrease in thermal electromotive force. The CdSb compound was also alloyed with mercury, with no appreciable effect on either electrical conductivity or thermal electromotive force. The results are shown on Figs. 1 and 2 in enclosures Ol and O2, respectively. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Chernivets'ky\*y Derzhuniversy\*tet. (Chernivets State University)

SUBMITTED: 24 Nov 62

DATE ACQ: 12 Jul 63

ENCL: 02

SUB CODE: PH

NO REF 30V: 005

OTHER: 001

Cord 2/42

EWP(q)/FWT(m)/RDS AFFTC/ASD JD S/0185/63/008/006/0694/0699 ACCESSION NR: AP3002125

AUTHOR: Psar'ov V. I., Kostur M. L., Obstra A. V.

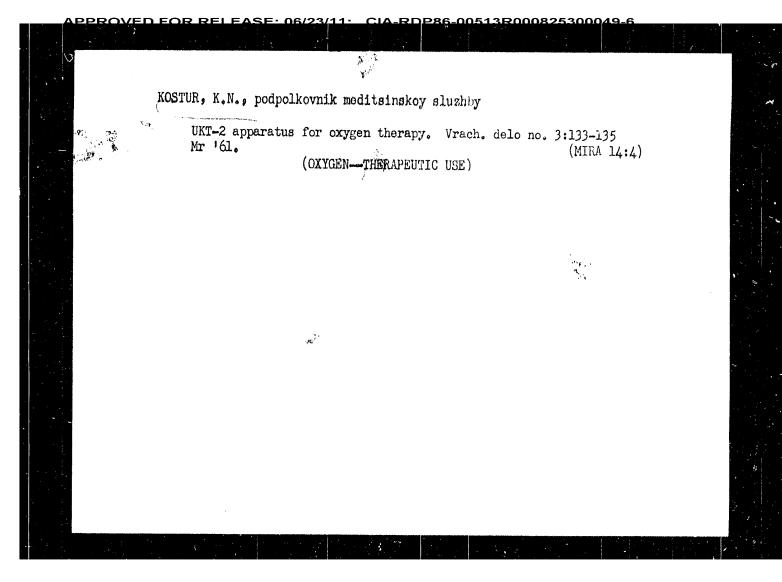
TITLE: On phase separation/in alloys of Cd-Sb and In-Sb systems by centrifuging the melt.  $\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{$ 

SOURCE: Ukrains'kyy fizychnyy zhurnal, v. 8, no. 6, 1963, 694-699

TOPIC TAGS: phase separation, centrifuge separation, excess phase, liquid phase, alloy, malt, orystal growth, silver alloy, electrical conductivity, thermal electromotive force, thermal E.M.F., transport phenomena, mercury alloy, InSb, CdSb, centrifuge.

ABSTRACT: The authors suggested a method for separation of crystals of CdSb and InSb compounds from the liquid excess phase (Cd. In) by means of centrifuging the liquid melt. The composition of compounds and cooling conditions are given in a table. It was found that processes of crystal growth and separation of phases take place simultaneously as the melt is moving. The method was used for alloying CdSb crystals through alloys of Cd -- Sb and their subsequent separation from the excess component of the alloy, the alloyed Cd. The CdSb compound was alloyed with up to 1 to 1.5% of silver. This resulted in an increase in

Card 1/45



KO. Mu, Pusan, Inz. Some experiences obtained usus far from cooperation and merging in road transportation in Sarbia, Tohnika Jug 18 no. 11: Suppl: daobracaj 10 no.11:2133-2136 N 163. .. Opravnik Putnickog saobenja "lastn", Brograd.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

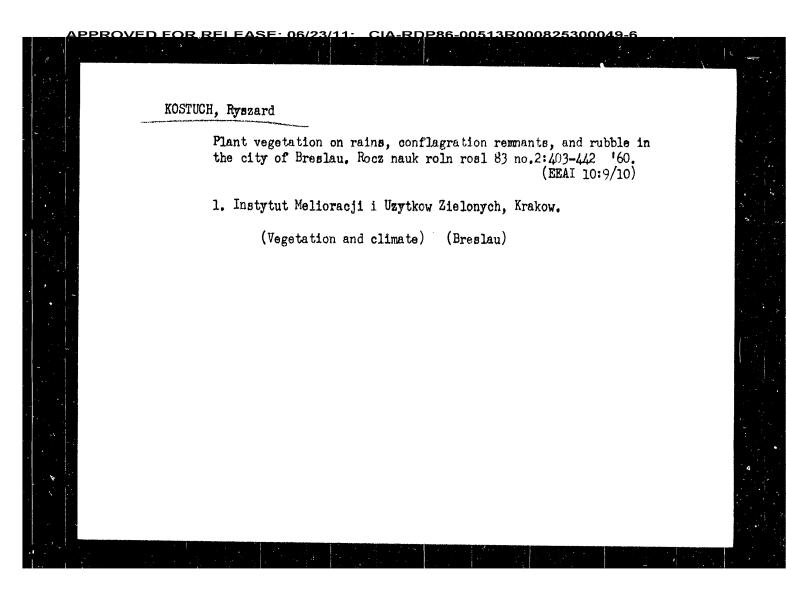
POLAND

DONIGIBUICZ, Krzysztof, Dr. and KOSTUCH, Ryszard [Affiliation not given]

"Macmaturia vesicalis bovis chronica and the Plants Growing in the Meadows and Pastures of the Powiat of Nowy Sacz."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 5, May 63, pp 237-241.

Abstract: [Authors' English summary] The authors studied the vegetation of pasture and meadow areas in five local. ities of the Nowy Sacz powiat, where chronic bovine haomaturia vesicalis maintains at a constant level. In addition to Ptoridium aquilinum, the authors believe that also Alectrolophus sp., Euphrasia stricta, Pedicularis palustris, P. silvatica, Euphorbia, Equisotum palustre, E. silvaticum, Rumex, Polyzonum, Galeopsis tetrachit, and G. speciosa, which are common in the area may cause the disease and urge the pursuit of research and experiments on cattle to elucidate the situation. There are 13 references, of which in Russian and French.



CIA-RDP86-00513R000825300049-6 KOSTUCH, Barbara, STOLIMAN, Czeslaw Fluothane anesthesia according to our observations. Roczn. pom, akad, med, Swierczewski 9:187-197 63. i. Z I Kliniki Chirurgicznej Pomorskiej Akademii Medycznej Klerownike doe, dr med, Jan Kortas, (HALOTHANE) (ANESTHESIA, INHALATION)

CIA-RDP86-00513R000825300049 KOSTSYUKEVICH, N.I. [Kastsiukevich, N.I.], kand.sel'skokhozyaystvennykh nauk; BOYKO, A.V. [Boika, A.V.], kand.sel'skokhozyaystvennykh nauk Effect of improvement cuttings on the gross productivity of pine plantations. Vestsi AN BSSR. Ser. biial. nav. no.4:37-144 157. (MIRA 11:6) (FOREST MANAGEMENT) (PINE)

KOSTSOVA, Z. A. SILANTIYEV, A. K; KHAYKINA, B.G; KOSTSOVA, Z. A; POLYAKOVA, L.A. Application of tourniquet for obtaining penicillin concentration in the extremities. Vest. Khir. Grekova 70 no.4:6-9 1950. (CLML 20:1) 1. Of the Departments of Operative Surgery and Microbiology of Chkalov State Medical Institute (Director - 1. I. Kositsyn).

CIA-RDP86-00513R000825300049-6 KOSTSOVA, A.G.; KOZACHENKO, E.I.; OSINA, O.M.; VOLOKHOVA, V.P., METELOVA, L.D. Alkanesulfo acids. Part 32: Some aikanesulfomorpholides. Zhur. (MIRA 18:11) org. khim, 1 no.4:728-730 Ap 165. 1. Voronezhskiy gosudarstvennyy universitet.

KOSTSOVA, A.G. Alkanesulfonic acids. Part 37: Halogenation of N-arylamides of propanesulfonic acid. Zhur. org. khim. 1 no.6:1022-1024 Je '65. (MIRA 18:7) 1. Vorone zhskiy gosudarstvennyy universitet.

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ACCESSION NR: APEOUS	[22	· · · · · · · · · · · · · · · · · · ·
tests with the technical deregulator for synthetic rule.  ASSOCIATION: Veronezh	the harrow rriction gav odecylmercaptan indicate bber: Orig. art. has: 4	ercaptan, were designated to e a better product. Prelimir d it was a good polymerizatio tables iversitet (Voronezh State
University) SUBMITTED: 26Dec62	ENCL: 00	SUB CODE; GC, MT
NR REF SOV: 003	OTHER: 008	
Cent 2/2		

ACCESSION NR: AP\$003122 S/0080/68/038/001/0170/0173

AUTHOR: Kostsova, A. G.; Smol'yaninova, Yu. L.; Shatalov, V. P.; Kovrizhko, L.; F.

24

TITLE: Synthesis of technical dodecylmercaptan

SOURCE: Zhurnal prikladnoy khimil, v. 38, no. 1, 1985, 170-173

TOPIC TAGS: technical dodecylmercaptan, synthesis, synthetic rubber, polymerization regulator

ABSTRACT: Technical dodecylmercaptan was synthesized from higher alcohols obtained by oxidation of paraffins at the Shebekinsk Chemical Co. of Synthetic Fatty Acids. (Shebekinskom khimicheskom kobinate sinteticheskikh sherny\*kh kislot). A wide fraction of sloohols (C<sub>0</sub>-C<sub>10</sub>-C<sub>12</sub>-C<sub>13</sub>-C<sub>14</sub>) and a narrow fraction (C<sub>10</sub>-C<sub>1</sub>-C<sub>13</sub>), obtained by vacuum distillation of the former, was used. The alcohols were then reacted with H<sub>2</sub>S in an alcoholic solution of KOH. The resultant Cord 1/2

KOSTSOVA, A.G.; KOZACHENKO, E.I. Alkanesulfonic acids. Part 30: Synthesis and properties of some esters of ethane- and  $\alpha$ -chloroethanesulfonic acids. Zhur. ob. khim. 34 no.10:3185-3187 0 '64. (MIRA 17:11) 1. Voronezhskiy gosudarstvennyy universitet.

KOSTSOVA, A.G. Alkanesulfonic acids. Part 28: Halogenation of alkanesulfo-d. -aminopyridides. Zhur.ob.khim. 33 no.2:595-596 F '63. (MIRA 16:2) 1. Voronezhskiy gosudarstvennyy universitet. (Sulfohic acids) (Halogenati (Halogenation)

KOSTSOVA, A. G.; VELICHKO, I. M.; YEREMINA, T. V. Alkanesulfonic acids. Part 27: Synthesis and properties of A-chloroethylalkane sulfonates, Zhur, ob. khim, 33 no.1: 35-38 \*163. (MIRA 16:1) 1. Voronezhskiy gosudarstvennyy universitet. (Sulfonic acids)

KOSTSOVA, A.G.; KOSMELEVA, E.P. Properties of A-aminopyridides of alkanesulfonic acids. Zhur.ob.khim. 32 no.3:1009-1010 Mr '62. (MI (MIRA 15:3) 1. Voronezhskiy gosudarstvennyy universitet. (Pyridine) (Sulfonic acids)

KOSTSOVA, A.G.; SURNINA, L.A. Alkanesulfonic acids. Part 26: Chlorization of ethanesulfoanilide and its N methyl and N acetyl derivatives. Zhur.ob.khim. 32 no.7:2287-2289 Jl 162. (MIRA 15:7) 1. Veronezhskiy gosudarstvennyy universitet. (Ethanesulfonic acid) (Chlorination)

KOSTSOVA, A.G. Alkanesulfonic acids. Part 25: Halogenation of akanesulfonis p phenitidides. Zhur. ob. khim. 31 no. 11/3671-3675 N :61. (MIRA 14.11) 1. Voronezhakiy gosudarabvennyy universitet.
(Sulfonia acid) (Haloganation)

KOSTSOVA, A.G.; TKACHENKO, N.N.; YEVSEYEVA, I.I. Alkanesulfonic acids. Part 24: Acetylation of some N-aryl amides of alkanesulfonic acids in the presence of aluminum chloride. Zhur.ob.khim. 31 no.7:2241-2246 Jl '61. (MIRA 14:7) (MIRA 14:7) 1. Voronezhskiy gosudarstvennyy universitet. (Sulfonic acid) (Amides)

Investigation of Alkane Sulfonic Acids. XXIII. Synthesis and Properties of Some Esters of Methane Sulfonic Acid

S/079/60/030/011/002/026 B001/B066

poor yield. There are 1 table and 4 references: 3 Soviet, 1 Belgian, 1 German, 1 British, and 1 Canadian.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

SUBMITTED: July 3, 1959

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

S/079/60/030/011/002/026 B001/B066

AUTHORS:

Kostsova, A. G. and Leont'yeva, L. B.

TITLE:

Investigation of Alkane Sulfonic Acids. XXIII. Synthesis and

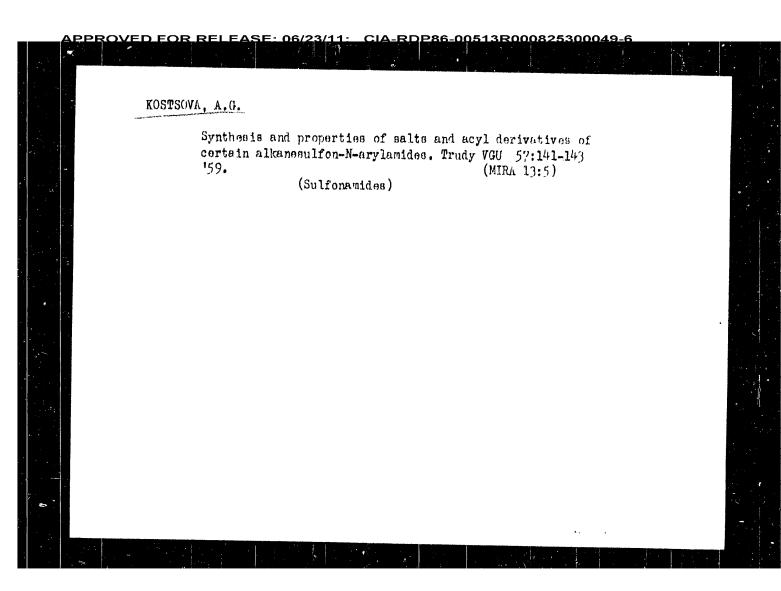
Properties of Some Esters of Methane Sulfonic Acid

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 11,

pp. 3541-3542

TEXT: The purpose of the present paper was the synthesis of some methane sulfonic acid esters which are described, but not sufficiently characterized, in publications, as well as some new esters of this acid. The authors obtained: bis (methane sulfonate) of ethylene glycol (I), bis (methane sulfonate) of α,χ-butylene glycol (II), tri-(methane sulfonate) of glycerol (III), methane sulfonate of ethylene chlorohydrin (IV), bis (methane sulfonate) of α-chlorohydrin of glycerol (V), of which (II) and (V) have so far not been described. The reaction took place by mixing methane sulfochloride with the corresponding alcohol in pyridine medium under cooling with subsequent precipitation of the ester by means of acid. The esters (II) - (V) resulted in good yields, (I), however, in Card 1/2



APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6

Investigation in the Field of the Alkane Sulphonic S0V/79-29-8-65/81 Acids. XX. Benzoylation of the N-Arylamides of the Alkane Sulphonic Acids

The N-benzoyl-N-arylamides of the alkane sulphonic acids are of a crystalline nature, insoluble in water, and soluble in organic solvents (details are given in the table). There are 1 table and 3 Soviet references.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet

(Voronezh State University)

SUBMITTED: June 27, 1958

Card 3/3

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6</u>

Investigation in the Field of the Alkane Sulphonic SOV/79-29-8-65/81 Acids. XX. Benzoylation of the N-Arylamides of the Alkane Sulphonic Acids

in the case of the n-anisidides of the ethane and butane sulphonic acids only. Here a re-acylation took place during which the anisidide of benzoic acid and traces of the N-benzoylanisidides of the corresponding ethane and butane sulphonic acids were formed. By this way (i.e. at 200-2200) the N-arylamides of the alkane sulphonic acids change into those of benzoic acid since the former become unstable at this temperature so that they decompose and form the more stable N-arylanisidides of benzoic acid. Since the benzoylation takes place at 140-150° while the re-acylation occurs at 200-220°, the author assumes that the re-acylation takes place in two stages (Scheme 3): initially a normal benzoylation of the N-arylamide proceeds, then a decomposition of the product according to the above scheme occurs under the influence of high temperature and hydrogen chloride. This is also indicated by the normal benzoylation reaction taking place in the pyridine medium, where the hydrogen chloride is bound by pyridine.

Card 2/3

5(3) AUTHOR:

Kostsova, A. G.

SOV/79-29-8-65/81

TITLE:

Investigation in the Field of the Alkane Sulphonic Acids. XX. Benzoylation of the N-Arylamides of the Alkane Sulphonic Acids

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2739-2742 (USSR)

ABSTRACT:

Kostsova (Ref 1) recently showed that the arylamides of the alkane sulphonic acids have a tendency toward reactions in which substitutions on the nitrogen occur. It was observed that in this case both reaction conditions and the medium play a role. E.g., ethanesulphoanilide reacts with benzoyl chloride at 160° or in a pyridine medium according to scheme 1, whereas a re-acylation takes place at 200-220° and the anilide of benzoic acid forms:

RSO<sub>2</sub>NHC<sub>6</sub>H<sub>5</sub>+C<sub>6</sub>H<sub>5</sub>COCl → C<sub>6</sub>H<sub>5</sub>CO — NHC<sub>6</sub>H<sub>5</sub>+RCl+SO<sub>2</sub>. In the present paper a series of N-arylamides was a

paper a series of N-arylamides was benzoylated, such as the anilide of methane sulphonic acid, the o- and n-toluidides, the o- and n-anisidides of the methane-, ethane-, and butane-sulphonic acids. The best results were achieved in a pyridine medium where the N-benzoyl derivatives are produced with higher and purer yields. The reaction at 200-220° was carried out

Investigation in the Field of the Alkane Sulfonic SOV/79-29-6-52/72 Acids. XIX. Chlorination of the N-Aryl Amides of Methane Sulfonic Acid There are 5 tables and 4 references, 3 of which are Soviet. Voronezhskiy gosudarstvennyy universitet (Voronezh State ASSOCIATION: University) SUBMITTED: March 28, 1958 Card 3/3

Investigation in the Field of the Alkane Sulfonic  $\frac{50V}{79-29-6-52}$  Acids. XIX. Chlorination of the N-Aryl Amides of Methane Sulfonic Acid

The chlorination of the o- and p-anisidides leads to the dichloro anisidides; in the case of the p-anisidide, the tetrachloro benzoquinone is formed as side-product, in the case of o-anisidide, tetrachloro-o-anisidide is formed. The chlorination was carried out by means of gaseous chlorine. If the chlorination takes place with chlorine dissolved in dichloro ethane, monochloro toluidides (optimum ratio 1:2) result as main products in the chlorination of the p- and o-toluidides (at ratios of the chlorine to the initial toluidide 1:1, 1:2, 1:3, 1:4). In this connection tetrachloro toluidides form as side products in very small amounts. The determination of the position of chlorine in the nucleus by means of hydrolysis into the corresponding amine is not quite N-acetyl derivatives have very close constants

[(Formulas (1) and (2)]. Thus, the influence exercised by the structure of the N-arylamides and the influence exercised by the reaction conditions on the character of the forming compounds was shown.

Card ?/3

RDP86-00513R0008253000

5 (3)

AUTHORS:

Kostsova, A. G., Gershman, R. Kh., Akin'shina, V. T.

SOV/79-29-6-52/72

TITLE:

Investigation in the Field of the Alkane Sulfonic Acids

(Issledovaniye v oblasti alkansul'fokislot). XIX. Chlorination

of the N-Aryl Amides of Methane Sulfonic Acid (XIX. Khlorirovaniye N-arilamidov metansul'fokisloty)

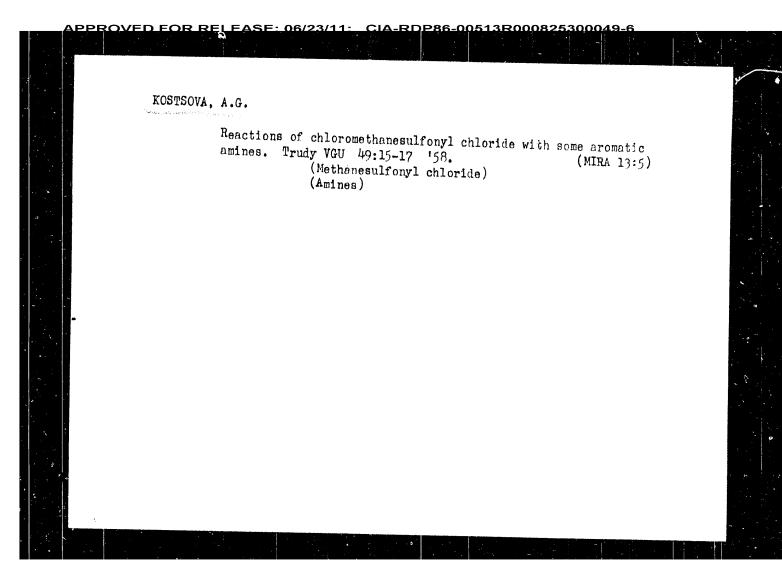
PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 6,

pp 2012-2016 (USSR)

ABSTRACT:

The object of the present paper is the chlorination of anilide, of the toluidides and anisidides of methane sulfonic acid. The anilide chlorinates with the formation of 2,4-dichloro anilide, as is the case also with the anilides of the ethane and butane sulfonic adids (Ref 1); in the presence of ZnO better yields were obtained; the p-toluidide is chlorinated to the tetrachloro-p-toluidide; in this case however, ZnO inhibits the reaction. In the chlorination of the o-toluidide a rapid formation and a separation of the crystalline monochloroo-toluidide is observed during the first 5 minutes; in the case of a longer duration of the chlorination (up to 45 min) a mixture of mono- and tetrachloro-o-toluidides is formed.

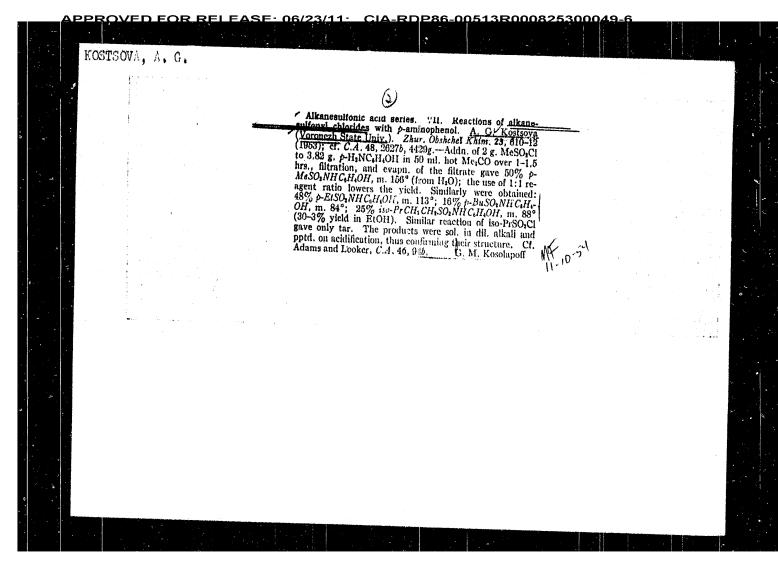


KOSTSOVA, A.G.; BORISOVA, N.T. Alkane sulfonic acids. Part 18: Chlorination of alkane sulfonotoluidides. Zhur.ob.khim. 28 no.9:2420-2423 S 158. (MIRA 11:11) 1. Voronezhskiy gosudarstvennyy universitet. (Chlorination) (Toluenesulfonic acid)

Investigation in the Field of Alkanesulfo Acids SOV/79 XVI. Chlorination of the Anisidides of Alkanesulfo Acids SOV/79-28-6-31/63 SUBMITTED: March 14, 1957 1. Organic acids—Chlorination Card 3/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6 KOS TOWA, A. G. "investigation of allohemidianic soiss. T. Practions for open imprinciples with  $\infty$ -nminopyriline and sulfanilanide." (n. 1430) SO: Journal of General Chemistry, (Zhurnal Chabchei Khimii), 1952, Vol. 22, Vol. 2

FORTLANDA, A. G. Aniline Investigation of alkanepulfonic acids. Furt 6. Reactions of alkanepulfochlorides with anitine and p-ansidine. Zhur.ob.khim. 22 No. 8, 1952. Monthly List of Russian Accessions, Library of Congress, Movember



Investigation in the Field of Alkanesulfo Acids 30V/9-28-5-31/63 XVI. Chlorination of the Anisidides of Alkanesulfo Acids

Their separation could take place because of their solution ratios. In the chlorination of p-anisidides it was shown that in the case of ethane sulfoanisidide the dichlore-p--anisidade is formed as main product in a smaller yield than in the case of dichloro-o-unisidide and with a small yield of tetrachlorobenzoquinone. The chlorination of o--and p-anisidides can take place according to the common scheme 1. The results of the chlorination were obtained with gaseous chlorine. The position of chlorine in the aromatic nucleus of dichloroanisidide was proved by hydrolysis (acheme 2). The position of chlorine in dichloro--o-anisidine is not quite clear. The synthesized compounds with their data are mestioned in table 1. In the hydrolysis of the dichloroanisidides the corresponding dichloroanisidines are formed. There are 2 tables and 3 references, 2 of which are Soviet.

ASSOCIATION:

Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

Card 2/3

AUTHOR:

Kostaova, A. G.

507/79-28-6-51/63

TITLE:

Investigation in the Field of Alkaneoulfo Acids (Issledovaniye v oblasti alkanaui fokislot)

XVI. Chlorination of the Anisidides of Alkanesulfo Acids

(XVI. Khlorirovaniye anisididov alkansul'fokislot)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol 28, Nr 6, pp. 1573-

1578 (USSR)

ABSTRACT:

Based on the previous paper (Ref 1) the chlorination of o-and p-anisidides of the same sulfo acids, viz. ethane--and butanesulfo acids was carried out. It was found that the presence of the methoxy group as well as its position in the nucleus exerts a considerable influence on the character and on the yield of the formed products, besides the small effect exerted by ethyl- and butyl radicals in the sulfoacid. In the chlorination of ethane- and butane sulfoanisidides with zinc oxides smaller yields are obtained as compared to the yields of unsubstituted anilides. In the chlorination of the o-anisidides dichloroanisidides form as main product, besides a small amount of tetrachloroanisidides - all of them being colorless crystalline compounds.

KOSTSOVA, A.G.; YANOVA, N.M.; SUSHKO, Z.N. Investigation of thicalkane acids. Part 15: Chlorination of anilids. of thioalkane acids. Zhur. ob. khim, 26 no.10:2855-2859 0 '56. (MIRA 11:3) 1. Voronezhskiy Gosudarstvennyy universitet. (Anilida) (Chlorination) (Acids, Organic)

USSR/Organic Chemistry - Synthetic Transic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61454

Author: Kostsova, A. G.

Institution: None

KUSTSOVA, A S

Title: Investigations of Alkane Sulfonic Acids. XIV. Syntheses and Properties of Acetyl- and Benzoylamides of 2-methylpropane and 2-methylbutane Sulfonic Acids

Original
Periodical: Zh. obshch. khimii, 1955, 25, No 7, 1343-1345

Abstract: Described is the synthesis of acetyl- and benzoylamides of 2methylpropane sulfonic acid (I-acid) and 2-methylbutane sulfonic
acid (II-acid). The obtained acid amides of pH 3.3-3.9, on interaction with Na in ether form Na-salts with yields of 70-80%. Into
a solution of 5.5 g 2-methylpropane sulfonic acid chloride in 35 ml
absolute ether cooled to -5°-7° is passed gaseous NH3 until no more
NH4Cl precipate separates. By distillation of the solution are
isolated 3.25 g 2-methylpropane sulfamide (III) as a noncrystallizing

KOSTSOUA, A.C.

USSR/Organic Chemistry - Synthetic Manie Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61454

Author: Kostsova, A. G.

Institution: None

Title: Investigations of Alkane Sulfonic Acids. XIV. Syntheses and Properties of Acetyl- and Benzoylamides of 2-methylpropaneand 2-methylbutane Sulfonic Acids

Original

Periodical: Zh. obshch. khimii, 1955, 25, No 7, 1343-1345

Abstract: Described is the synthesis of acetyl- and benzoylamides of 2methylpropane sulfonic acid (I-acid) and 2-methylbutane sulfonic acid (II-acid). The obtained acid amides of pH 3.3-3.9, on interaction with Na in ether form Na-salts with yields of 70-80%. Into a solution of 5.5 g 2-methylpropane sulfonic acid chloride in 35 ml absolute ether cooled to -50-70 is passed gaseous NH3 until no more NH4Cl precipate separates. By distillation of the solution are

isolated 3.25 g 2-methylpropane sulfamide (III) as a noncrystallizing

KOSTSOVA, AG

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61509

Author: Kostsova, A. G., Pryakhina, E. A.

Institution: None

Title: Investigations of Alkane Sulfonic Acids. XIII. On Properties of N-arylamides of Alkane Sulfonic Acids

Original

Periodical: Zh. obsh. khimi1, 1955, 25, No 13, 2497-2503

Abstract: Study of salt-formation, alkylation of the salts, acylation and chlorination of C<sub>2</sub>H<sub>5</sub>SO<sub>2</sub>NHC<sub>6</sub>H<sub>5</sub> (I). On methylation of I as well use of its Na- and Ag-salts there is formed C<sub>2</sub>H<sub>5</sub>SO<sub>2</sub>N(CH<sub>3</sub>)C<sub>6</sub>H<sub>5</sub> (II). C<sub>2</sub>H<sub>5</sub>SO<sub>2</sub>Cl (III) in contrast with CH<sub>3</sub>COCl and C<sub>6</sub>H<sub>5</sub>COCl (IV) reacts with I only in alkaline medium. Reaction with IV at >200° leads to formation of C<sub>2</sub>H<sub>5</sub>CONHC<sub>6</sub>H<sub>5</sub> and III. On chlorination of I in lieu of N-chloramide there is formed apparently ethyl dichlorobenzene (V). To solution of 2 g I in 10 ml ether are added 0.125 g Na, to form 1 g of Na-salt of I which reacts in aqueous solution with

Card 1/2

Card 2/2

USBR/Chemistry

Reaction processes

Card

: 1/1

Pub. 151 - 20/33

Authors

: Kostsova, A. G., Shvetsova, L. S., and Kalganova, I. I.

Title

: Investigation of alkane-sulfo acids. Part 12.- Reaction of beta-chloroethanesulfo chloride with aromatic amines

Periodical

Zhur. ob. khim. 24/8, 1397 - 1402, August 1954

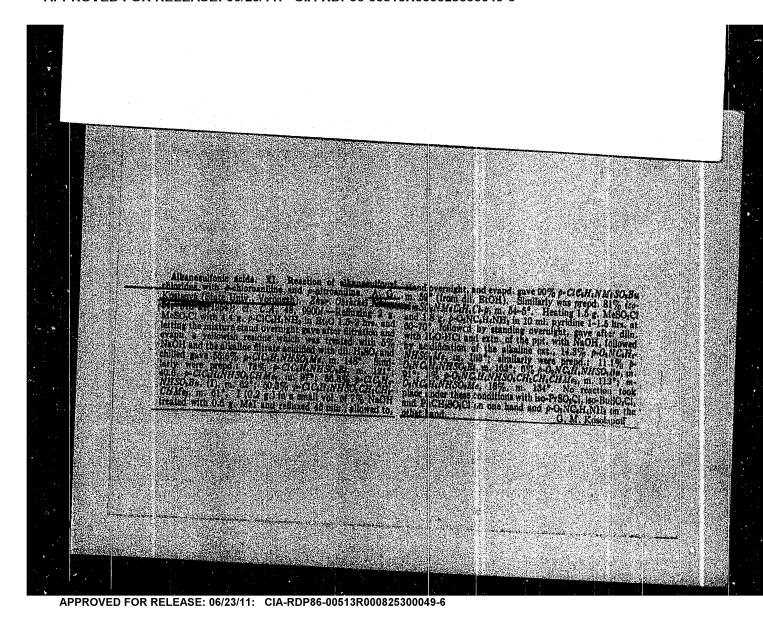
Abstract

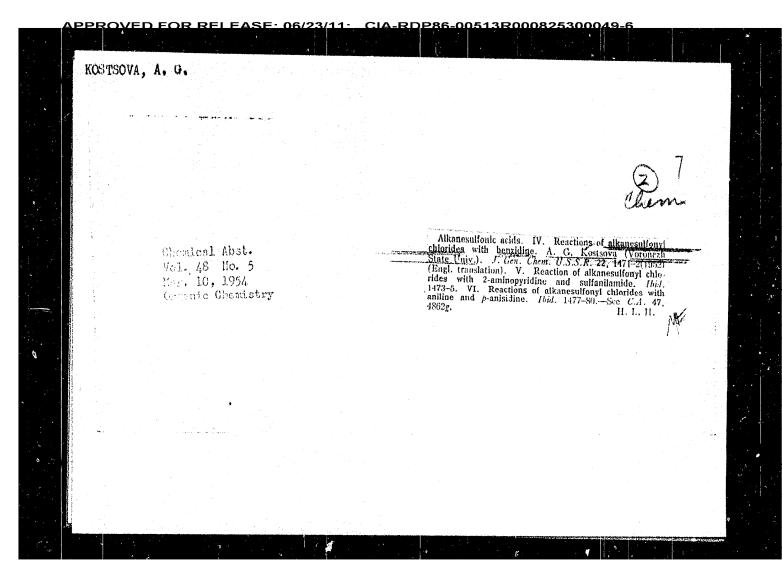
: The reaction between beta-chloroethanesulfo chloride and some aromatic amines (aniline,p-toluidine,p-anisidine, p-phenetidine,p-nitroaniline and alpha-aminopyridine), was investigated. A new method for the derivation of beta-chloroethanesulfo chloride from dichloroethane, is described. The reaction products obtained are listed. The effect of temperature on the yields of the reaction products, is explained. 5 USA and 4 USSR (1845 - 1953). Table. Nine references:

Institution : State University, Voronezh

Submitted

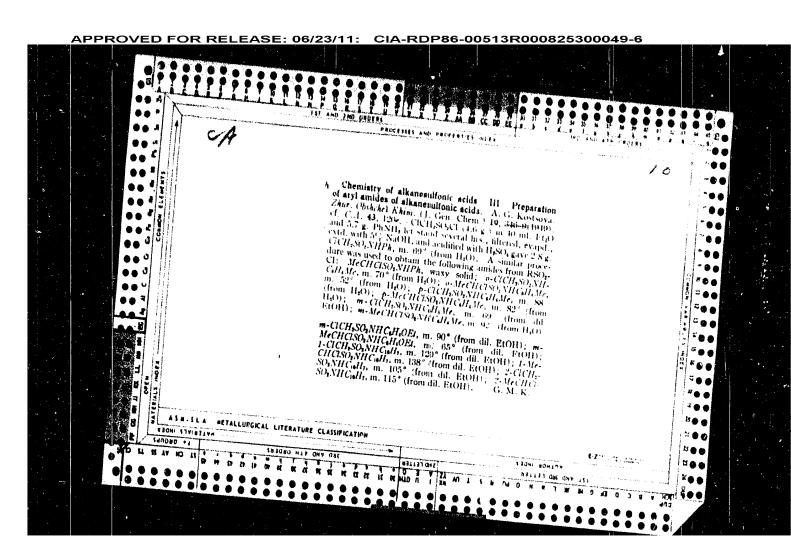
: February 12, 1954





KOSTSCYA, A. G.	. 1
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ylsulfoacids: lsulfoacids," 4 pp  of anilides, dides, and alphne and alphne and alphne- obtained, etidides, are similar  46/49713  46/49713	ਸ਼ਿੰਦ
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CIA-RDP86-00513R000825300049-6 APPROVED FOR RELEASE: 06/23/11: CH Chemistry of alkanesultonic acids. III. Preparation of aryl amides of alkanesultonic acids. A. G. Kostsova (Univ. Voronezh). J. Gen. Chem. U.S.N.R. 19, 307-10 (1949) (Engl. translation). See C.A. 43, 65685. E. J. C.



KOSTSOVA, A. G.

PA 8/49 T17

USSR/Chemistry - Acids, Sulfo, Prep-

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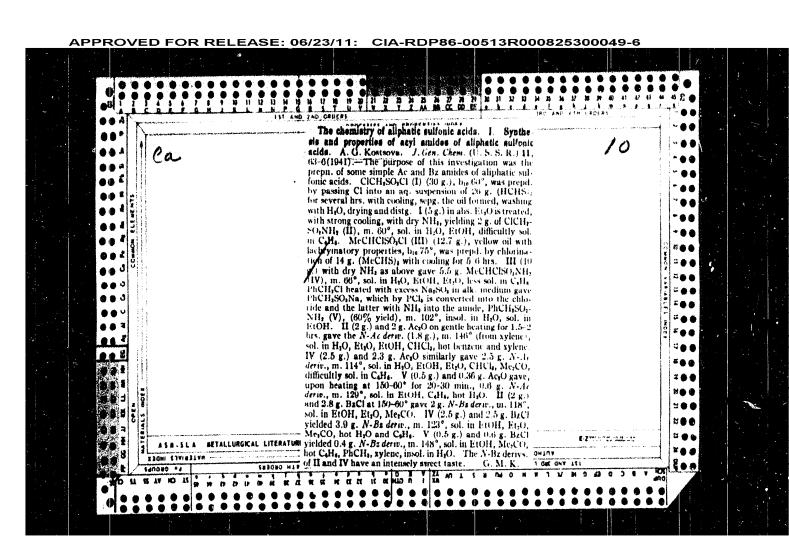
Chemistry - Acids, Sulfo, Properties

"Studies in the Field of Fatty Sulfo Acids," A. G. Kostsova, Lab Org Chem, Voronezh State U, 34 pp

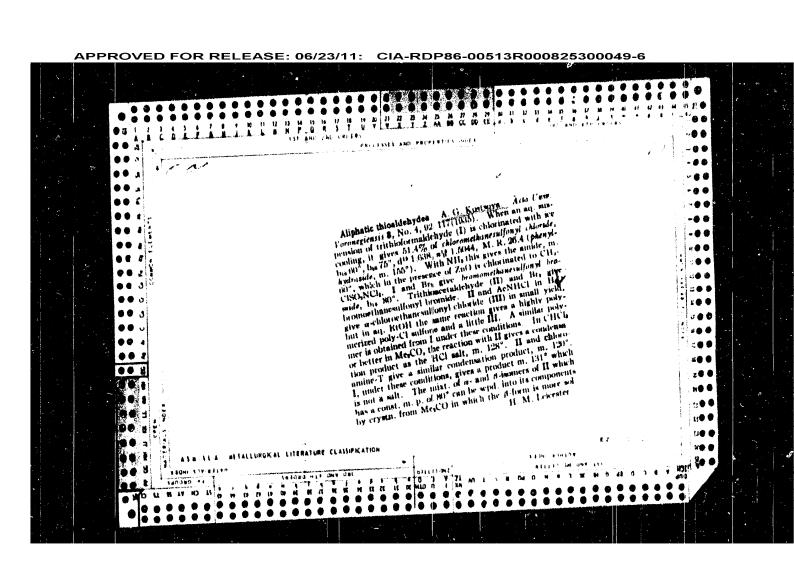
"Zhur Obshch Khim" Vol XVIII (LXXX), No 4
Describes preparation and properties of the benzoylacetyl- and propionylamines of methane- and ethane-sulfoacids, and also the propionylamides of chlormethane- and chlorethane sulfoacids. Submitted

23 Dec 1946.

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## APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000825300049-6 •••• 报报报报报报报报报 工术机械设计 .. 4 . .. . acid used. In a scaled tube ZnCl, causes no polymeriza-tion, and HaPO, very little, but if 50% of the wtoof olean of PhSO,H is used, good yields of polymer, b. up to H. M. Leicester (101) are obtained. ton", are obtained. . •• .. . .0 0 AL ESTERATOR CASSESSABLE



MANDRYKA, Aleksey Petrovich; OKUNEV, B.N., otv. red.[deceased]; KOSTSOV, R.I., otv. red.; SUSHKOVA, T.I., red.izd-va; BOCHEVER, V.T., tekhn. red. [History of ballistics; to the middle of the 19th century] Istoriia ballistiki; do serediny XIX v. Moskva, Izd-vo "Nauka." 1964. 374 p. (MIRA 17:2)